

Please replace the current abstract with the following amended abstract:

ABSTRACT

A separation tray, suitable for mounting in a vertical column, for separating liquid/gas mixtures. The separation tray has horizontal upper and lower walls and a plurality of primary separation devices for separating a fluid into a primary gas and a liquid-enriched secondary gas. The invention is characterized by a secondary separation zone located in the inner free space between the upper and lower walls and the primary separation devices. Liquid-enriched secondary gas is removed through outlets in the primary separation devices and guided downwardly by return skirts into the inner free space, whereupon the entrained liquid in the liquid-enriched secondary gas is substantially removed from the secondary gas.